

4828 - 4829

Diag. Cht. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. Office No. *4828-29*

LOCALITY

State *Florida*
General locality *Caloosahatchee*
Locality *River*

1929

CHIEF OF PARTY

A. Shaw

LIBRARY & ARCHIVES

DATE

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4828 - 4829

4828 AND 4829

4828 AND 4829

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div></div>	
State: <u>Florida</u>	
DESCRIPTIVE REPORT	
<i>Topographic</i> <i>Hydrographic</i>	<i>Sheet No.</i> 4828 4829
LOCALITY	
<u>Caloosahatchee River</u>	
<u>Shell Pt. to Fourmile l. and (4828)</u>	
<u>Fourmile l. to Fort Myers (4829)</u>	
<div></div>	
1928	
CHIEF OF PARTY	
<u>C. Shaw</u>	

C. & G. SURVEY

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FEB 23 1929

Acc. No.

DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SHEET "E", 1928 4828

and

HYDROGRAPHIC SHEET "F", 1928 4829

Caloosahatchee River

Florida

1928

SHIP HYDROGRAPHER

Charles Shaw, H. & G. Eng'r.,

Commanding

DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SHEET "E", 1928

and

HYDROGRAPHIC SHEET "F", 1928

1. AUTHORITY:

The work done on these sheets is in accordance with instructions of the Director to the Commanding Officer of the Ship HYDROGRAPHER dated Oct. 21, 1926 and May 26, 1928.

2. LIMITS OF SHEETS:

Sheet "E" includes the channel of the Caloosahatchee River from Shell Point to Fourmile Point. It extends from signal Hach to Bn. 30. It joins on to sheet "D" at the southwest limits, and to sheet "F" at the northeast limits.

Sheet "F" includes the main channel of the Caloosahatchee River from Bn. 30 to Bn. 43 off Fort Myers, and includes the turning basin at Fort Myers. It joins on to sheet "E" to the southward near Bn. 30, and to surveys of 1927 to the northward at Bn. 43.

3. GENERAL DESCRIPTION:

Work done on sheets "E" and "F", 1928, is given volume numbers and day letters counting from last volume and day of 1927 sheets "E" and "F". The work on these sheets is to a scale of 1:10,000; soundings on sheet "E" from the southwest limits of the sheet to Nigger Head Point are referred to the portable automatic tide gauge at Iona. All soundings N. E. of Nigger Head Pt. both on sheet "E" and sheet "F" are referred to the portable automatic tide gauge at Fort Myers.

The sounding lines are run parallel to the channel. The previous work within the limits of these sheets, and the full width of the river, was done in 1927, but since that time the U. S. E. D. Dredge "Sarasota" dredged shoal spots along the 10 ft. channel from Fort Myers to Punta Rasa to obtain this depth throughout. The work done on these sheets in 1928 is to show the changes caused by the dredge "Sarasota". To do this the narrow dredged channel was sounded again and included a strip of the river about one third mile wide extending from Shell Point to Fort Myers.

4. SURVEY METHODS:

The work on these sheets ~~done~~ in 1928 was done in the ship's launch with the usual launch hydrographic party. The sextants used in this work were equipped with steel mirrors, which proved more suitable for this work than the old glass mirrors. This is the first time that the Officer in charge of the launch party has used these mirrors to any extent, and is much in favor of them.

5. CHANNELS AND BARS: (On Sheet "E")

From the S. W. limits of this sheet to Bn. 13 there are strong currents at times, perhaps as much as 2 knots in both ebb and flood tides; and the channel is narrow with a controlling depth of 11 ft. (from soundings here also on sheet "D"). From Bn. 13 to Bn. 17 the channel is fairly broad with a controlling depth of 12 ft. From Bn. 17 to Bn. 17 A the channel is a rock cut with rock spoil banks close aboard on both sides of the channel. On the north side of the channel the rocks are bare at low water, and there is part of an old wreck on them bare at most stages of the tide. Many boats see this wreck and shear over slightly south of the range and strike the rock

spoil bank on that side of the channel. The channel in this area is not more than 30 meters wide and has from 11 to 12 feet of water on the range. Two spoil banks are bare at L. W. about 200 meters E.N.E. of Bn. 17 A, and one bare at L. W., W.x N. of Bn. 17 A 200 meters as shown on smooth sheet. The range through this channel is not very sensitive, and it is necessary to keep close on while passing through this area. From Bn. 17 A to Bn. 17 B the channel is slightly wider, and has a controlling depth of 11 ft. From Bn. 17 B to Bn. 18 the channel has a depth of about 13 feet, and is fairly broad except for a place midway between these beacons where there is a 2 ft. shoal just south of the channel, and a spoil bank bare at most stages of the tide just north of the channel. From Bn. 18 to Bn. 19 the channel is broad with a depth of 11 ft. and better. From Bn. 19 to Bn. 19 A there is good water on the range, 12 feet and deeper, and the range is sensitive. Midway between these Bns. there is a shoal close to the channel on both sides, and another about 200 meters S.S.W. of Bn. 19 A. From Bn. 19 A to Bn. 21 the channel is fairly broad with a depth of 13 feet or deeper. From Bn. 21 to Bn. 23 the channel is broad and has a controlling depth of 11 ft. Bn. 21 is on the edge of a 6 ft. shoal which is to the north of the beacon. From Bn. 23 to Bn. 25 the channel is fairly broad and has 13 ft. or deeper. A little north of the channel and one third of the way between Bns. 23 and 25 there is a 4 ft. shoal. Just S. W. of Bn. 25 and on the westerly edge of the channel is 8 ft. on edge of shoal. From Bn. 25 to Bn. 26 the channel is broad and has good water. ^{12 or 13 feet} Bn. 26 is now on the edge of a shoal with 9 ft. ^{and 7 ft. in each.} immediately north by east 20 meters. From Bn. 26 to Bn. 27 the

channel is broad and has a depth of 11 ft. and deeper. From Bn. 27 to Bn. 27 A the channel is narrow and has a depth of 11 ~~and~~ 12 ft. on the range. Slightly north of the channel, S.W. of Bn. 27 A, there is a 4 ft. shoal, and just south of the channel the depth is from 6 to 8 ft. to the S. of Bn. 27 A. From Bn. 27 A to Bn. 28 the controlling depth is 11 ft. on the range. The channel is narrow having a 6 ft. shoal close to on either side of the channel N. E. of Bn. 27 A. From Bn. 28 to Bn. 30 the channel is broad having a controlling depth of 11 ft. Bn. 29 is about one third way between these Bns., and is on a 6 ft. shoal which extends out into the channel for 30 meters. This beacon must not be passed close to. Good water can be had by going from Bn. 28 straight to Bn. 30. The range on Bn. 33 clears Bn. 29 all right.

6. CHANGES SINCE PREVIOUS SURVEY OF 1927. (Sheet "E")

Since the survey in 1927 the U.S.L.H.S. has renewed many of the Bns. in the river. Several of the old Bns. were moved, and some new Bns. were put in. There is attached to this report a list of signals which includes the Bns. and states whether or not the Bn. is changed from its old location.

The channel is widened and deepened just S.W. of Bn. 13. About 200 meters E.x N. of the present location of Bn. 17 a 5 ft. shoal has been removed. 400 meters W.x S. of Bn. 18 the channel has been widened and deepened. S. E. of Bn. 19 A the channel is widened removing an 8 ft. spot. Near Bn. 21 a shoal from 40 to 100 meters E. of Bn. has been removed, also a shoal 100 meters N. of this Bn. removed, and part of shoal on channel side of Bn. removed. This material has apparently been deposited about 120

meters S. E. of Bn. 21. About 170 meters N. E. of present location of Bn. 23, and near the old location of this Bn., the channel has been widened slightly, and a portion of the shoal removed, but on the exact line joining Bn. 23 and Bn. 25 at the 1927 location of Bn. 23 there are 7 and 8 ft. depths. About half way between Bn. 23 and Bn. 25 on E. side of channel a 7 ft. spot has been deepened to 8 or 9 ft. The old channel extended from Bn. 25 to Bn. 27, since then Bn. 26 has been put in. This Bn. is located on a shoal and the portion of the shoal towards the channel only has been dredged away. From Bn. 27 to a point 200 meters beyond Bn. 27 A the channel has been deepened by about 2 ft., and widened. At Bn. 29 and for 30 meters out into the channel from this Bn. there is a 6 ft. shoal which has not yet been removed. Except for this the channel between Bn. 29 to Bn. 30 is deepened from 1 to 2 ft. There are many places along the whole channel where the depth has been increased about 1 ft.

7. CHANNELS AND BARS (Sheet "F")

²⁷Between Bn. 30 and 31 the controlling depth is 10 ft. on the range. Just off range, ^{27 (JTW)}15 meters to west and halfway from Bn. 30 to Bn. 31 is a 7 ft. spot. From Bn. 31 to Bn. 33 the channel has a controlling depth of 12 feet on the range. ²⁷From Bn. 30 to Bn. 31 the channel is broad on the east side; around Bn. 31 A just out of the channel are 8 and 9 feet soundings.

²⁷From Bn. 31 A to Bn. 33 the channel is narrow with 7 ft. soundings on either side of the channel. ^(Not clear what 8' sd. is meant - JTW)On the channel side of, and close to Bn. 33, there is an 8 ft. sounding. ²⁷From Bn. 33 to Bn. 35 the channel is narrow and has a controlling depth of 12 ft. on the

^{JTW} range. From Bn. 35 to Bn. 37 the channel is narrow and has a controlling depth of 12 ft. on the range. From Bn. 37 to Bn. 39 the channel is narrow and has a controlling depth of 11 ft. ^{10 (JTW)}

^{JTW} There is no range for this cut; and there are 6 ft. shoals on either side of the channel.

The turning basin has a depth of about 10 ft.; however, there is an 8 ft. spot in the basin almost on the line from Bn. 41 to Bn. 43. *Not clear - JTW*

8. CHANGES SINCE PREVIOUS SURVEY OF 1927. (Sheet "F") (H 4829)

The range channel from Bn. 30 to Bn. 31 appears to be about 1 ft. deeper than when surveyed in 1927. A 7 ft. spot 25 meters west of the range halfway between Bn. 30 and 31 does not show in the 1927 sounding. From Bn. 31 to Bn. 31 A the channel is wider and about 2 ft. deeper, and there are spoil banks thrown up on the W. side of the channel. From Bn. 31 A to Bn. 35 the channel appears to be about 2 ft. deeper. From Bn. 35 to Bn. 37 the channel is slightly deeper with a 7 ft. spot 250 meters N.E. of Bn. 35 removed. From Bn. 37 to Bn. 39 the channel is slightly broader and about 1 foot deeper. The turning basin has been deepened and some 8 ft. spots removed. A large spoil bank has been thrown up to the northwest of the turning basin.

9. WRECKS: (Sheet "F")

The sunken barge with 2 ft. of water over it, 150 meters N. of Δ Dome is about 20 feet off the Atlantic Coastline Railroad dock as shown on smooth sheet. The sunken dredge and wrecked barge 340 meters N.W. of Δ Frank just off Ireland's dock are of no importance as they are about at the beach.

Approved:
Charles Shaw
Chief of Party
February 12, 1929

Submitted by
Jack C. Sammons
Jack C. Sammons,
Jr. H. & G. Eng'r.

SIGNALS ON SHEET "E"

1928

Name of station	Located by	Date	Remarks
"Tom"	△	1927	Recovered 1928.
"Pump"	Topo.	1927	Recovered 1928. See Note "A"
Jewfish "Jew"	△	1927	Recovered 1928.
"Hop"	△	1928	Hop 1927 shown on smooth hydro. sheet D 1927 as topo. but not in desc. report. New Bn. by L. H. Dept. in 1928. Relocated by triangulation in 1928.
"Ro"	△	1928	Located 1927 by △. Relocated 1928 by △. Same location as 1927.
"Aft"	Hyd.	1928	Not same as Aft 1927 which was not recovered. Located 1928, sheet D, cuts Vol.14, P.71; △ cut from △ Jewfish.
"Al"	Hyd.	1928	Located topo. 1927. Banner on tree. Recovered. Relocated 1928; 10 meters N.W. of 1927 location. Cuts Vol.15, sheet E, P.12 and 69. Vol.14, P.71, sheet D.
"Hach"	Topo.	1927	Checked by sextant cuts 1928. Cuts Vol.14, P.71, sheet D, and Vol.15, P.69, sheet E. See Note "A"
Bn. 13 "Tir"	△	1927	Recovered and checked 1928.
Bn. 15 "Boy"	△	1927	Recovered and checked 1928.
Bn. 17 "Ape"	Hyd.	1928	Located 1927 by △ but moved S. about 25 M. Fix Vol.14, P.20, cuts Vol.14, P.72; Vol. 15, P.12, Sheet E.
Bn. 17 A	△	1928	Located 1927 by △ but moved. Relocated 1928 by △.
"Lamb"	Topo.	1927	Recovered and checked 1928. See Note "A".
Bn. 17 B	△	1928	No Bn. 17 B in place in 1927.

Note "A" - D.M's. and D.P's. in Descriptive Report of topo. sheet #3, 1927.
 " "B" - " " " " " " " " " " " " #4, 1927.

SIGNALS ON SHEET "E"

1928

Name of station	Located by	Date	Remarks
Cut H R.R. Bn. "Bird"	△	1927	Recovered and checked 1928.
"Neck"	△	1927	Recovered 1928.
Bn. 18 "Egg"	△	1927	Recovered and checked 1928.
Cut G-F.R. Bn. "Ham"	△	1927	Recovered and checked 1928.
"Art"	Topo.	1927	Recovered 1928. See note "A".
Piney Point "Point"	△	1927	Recovered 1928.
"Cow"	Hyd.	1928	Present location not same as either Cow or Tar of 1927. Cuts Vol.14 P.72; Vol.15, P.11-12-16, Sheet E.
"Redfish"	△	1927	Recovered 1928.
"Pig"	Hyd.	1928	Not same as topo. Pig 1927. Same as hydro. "Hec" 1927. Fix Vol.15, P.10; Cuts Vol.15, P.11-12, Sheet E.
"Bn. 19 "Eat"	Topo.	1927	Recovered and checked 1928. See Note "B".
Cut G - R.R. Bn. "Range"	△	1927	Recovered and checked 1928.
Bn. 19 A "File"	Topo.	1927	Recovered 1928. See Note "B".
Bn. 21 "Got"	Hyd.	1928	Located by topo. 1927; Bn. moved about 10 meters N. E. Cuts Vol.14, P.72, 74, and 75; Vol.15, P.11, Sheet E.
"Pal"	△	1927	Recovered 1928.
"Rin"	Topo.	1927	Recovered and checked 1928. See Note "B".
"Lot"	Topo.	1927	Recovered 1928. See "Lis" Note "B". "Lis" on topo. and "Lot" on hydro. sheets
Bn. 23 "Chu"	Hyd.	1928	Old Bn. located by △ 1927; Bn changed. Unable to relocate by △ without building high signals over trees. Sextant Cuts Vol. 14, P.72-74-75; Vol.15, P.46, Sheet E.

SIGNALS ON SHEET "E"

1928

Name of station	Located by	Date	Remarks
Bn. 25 "Five"	Δ	1927	Recovered 1928.
"Hans"	Topo.	1927	Recovered and checked 1928, See Note "B"
"Dent"	Hyd.	1928	Old signal by topo. 1927 moved 10 meters S. W. Cuts Vol.14, P.72 and 74; Vol.18 P.45, Sheet E.
"Nigger"	Δ	1927	Recovered 1928.
"Miles"	Δ	1927	Recovered 1928.
"Sig"	Topo.	1927	Recovered and checked 1928. See Note "B".
"Toe"	Topo.	1927	Recovered 1928. (Topo. meters of long. are reversed) See Note "B".
"Li"	Topo.	1927	Recovered 1928. See Note "B".
Bn. 26	Δ	1928	Not in place in 1927.
Bn. 27 "John"	Δ	1928	Located 1927 by topo. Approximate same location 1928 as 1927.
"Sod"	Topo.	1927	Recovered 1928. See Note "B".
Bn. 27 A	Δ	1928	Located by topo. 1927. 1928 location same as 1927 location. No appreciable change.
"Pep"	Hyd.	1928	Located 1927 by topo; 1928 location about 10 meters S. of 1927 location. Cuts Vol.14, P.72; Vol.19, P.20, Sheet E
Bn. 29	Δ	1928	Located by topo. 1927. 1928 location about 3 meters from 1927 location.
Bn. 28 "Stab"	Δ	1928	Located 1927 by topo. 1928 location approximately same location as 1927.
Cut P R.R. Bn. "Rear"	Δ	1927	Recovered 1928.
"Use"	Topo.	1927	Recovered 1928. See Note "B".

Note "B" - D.M's. and D.P's. in Descriptive Report of topo. sheet #4, 1927.

STATIONS ON SHEET "E"

1928

Name of station	Located by	Date	Remarks
"Pal"	Δ	1927	Recovered 1928.
Bn. 30 "Red"	Δ	1927	Recovered 1928.
Fourmile 2 "Four"	Δ	1927	Recovered 1928.
"Oh"	Hyd.	1928	Located 1927 by topo. 1928 location 18 meters W.x S. of 1927 location. Cuts Vol.14, P.72, 74, and 75. Sheet E.

SIGNALS ON SHEET "F"

1928

Name of station	Located by	Date	Remarks
"Dome"	Δ	1927	Recovered 1928.
"Col"	Δ	1927	Recovered 1928.
"Spire"	Δ	1927	Recovered 1928.
"Tank"	Δ	1927	Recovered 1928.
"Frank"	Δ	1927	Recovered 1928.
"Roy"	Topo.	1927	Recovered 1928.
Bn. 39 "Stub"	Δ	1928	In 1927 this Bn. was a stub of piling 2 ft. high by topo. 1928 Bn. at different location.
Bn. 41	Δ	1928	Not in place in 1927.
Bn. 43	Topo.	1927	See Note "C". Recovered and checked 1928. Fix and check angles Vol.13, P.37. Δ Cut from Δ Sawmill.
"Loft"	Δ	1927	Recovered 1928.
"Hand"	Hyd.	1928	Δ 1927 Handcock washed out and lost. Hydro. signal "Hand" near same location in 1928. Fix and check angles Vol.13, P.37. <i>Sheet "F"</i>
"Saw"	Δ	1927	Recovered 1928.
"Hy"	Δ	1927	Recovered 1928.
"Tel"	Δ	1927	Recovered 1928.
"Oh"	Hyd.	1928	Located 1927 by topo. 1928 location 18 meters W.x S. of 1927 location. Cuts Vol.14, P.72, 74, and 75, Sheet E.
Cut P - R.R. Bn. "Rear"	Δ	1927	Recovered and checked 1928.
Fourmile 2 "Four"	Δ	1927	Recovered 1928.
Bn. 30 "Red"	Δ	1927	Recovered and checked 1928.
"Beg"	Topo.	1927	See Note "C". Recovered 1928.

Note "C" - D.M's. and D.P's. in Descriptive Report for topo. sheet #5, 1927.

SIGNALS ON SHEET "F"

1928

Name of station	Located by	Date	Remarks.
"Poe"	Δ	1927	Recovered 1928.
"Pol"	Topo.	1927	See Note "C". Recovered 1928.
"Stad"	Δ	1927	Recovered 1928. See cuts Vol.13, P.37, sheet F.; Vol.15, P.69, sheet E, for cuts to the two chimneys on Stadler's Mansion. Chimney nearest river is Δ STAD.
Bn. 31	Δ	1928	Located 1927 by topo. 1928 position about 16 meters from 1927 position.
Bn. 31 A	Δ	1928	Located by topo. in 1927. Bn. probably changed by L. H. Service. 1928 location 17 meters from 1927 location.
Bn. 33 "Front"	Δ	1928	Located 1927 by Δ . Relocated 1928 by Δ . No change.
"Tin"	Topo.	1927	Recovered 1928. See Note "C".
R.R. to Bn.33 "Range" Cut Q-R.R. Bn.	Δ	1928	Located 1927 by Δ . Bn. changed several meters since 1927.
Cut R-F.R. Bn. Bn. 35	Δ	1928	Located 1927 by topo. 1928 position slightly changed from 1927 position.
"Ed"	Δ	1927	Recovered 1928.
Cut R-R.R. Bn. R.R. to Bn.35	Δ	1928	Located 1927 by Δ . Relocated 1928. Position not changed.
Cut S-F.R. Bn. Bn. 37 "Cut"	Δ	1928	Located by topo. 1927. 1928 position about 5 meters from 1927 position.
Cut S-R.R. Bn. R.R. to Bn.37	Δ	1928	Located by Δ 1927. Relocated 1928 by Δ . No change in position.

Note "C" - D.M's. and D.P's. in Descriptive Report of topo. sheet #5, 1927.

STATISTICS FOR SHEET "E"

1928

Date	Day	Vol.	Positions	Soundings	Miles (Stat)	Vessel
Oct. 31, 1928	q	14	186	814	18.0	Launch
Nov. 1, "	r	14-15	166	885	18.0	"
" 2, "	s	15	47	241	5.0	"
" 5, "	t	15	175	917	16.5	"
" 6, "	u	16	141	758	20.0	"
" 8, "	v	16-17	240	1113	19.0	"
" 9, "	w	17	233	1292	33.0	"
" 14, "	x	18	193	963	24.0	"
" 27, "	y	19	59	257	6.0	"
Jan. 22, 1929	a	19	11	46	1.0	Dinghy
Total		19	1451	7286	160.5	

Volume 1 to 13 inclusive with Sheet "E", 1927.

STATISTICS FOR SHEET "F" 4829

1928

Date	Day	Vol.	Positions	Soundings	Miles (Stat)	Vessel
Nov. 15, 1928	q	12	246	1328	30.0	Launch
" 16, "	r	12-13	219	1058	24.5	"
" 27, "	s	13	116	581	13.0	"
Dec. 17, "	t	13	66	262	6.0	Launch & Skiff
" 27, "	u	13	20	20	1.5	Skiff
Feb. 8, 1929	a	14	32	138	3.0	Dinghy
Total		14	699	3387	78.0	

Volume 1 to 11 inclusive with Sheet "F", 1927.

APPROVAL OF RECORDS

Sheets "E" and "F", Records, and Descriptive Reports have been inspected and are approved.

Except for actually plotting the positions and soundings, I have done everything possible to see that all data is correct. The sheets have been gone over carefully and close comparisons with the 1927 soundings as shown on the photostats have been made by transferring these soundings to onion paper and placing them over the present work.

Charles Shaw

Charles Shaw,
Chief of Party.

Fort Myers, Fla.,
February 21, 1929.

TIDAL DATA

For Hydrographic Sheet "E"

Location:

Portable automatic gauge at Iona used for reducing soundings from southwest limits of sheet to Nigger Head Point.

Portable automatic gauge at Fort Myers, Fla. (Ireland's dock) used for reducing soundings from Nigger Head Point to N.E. limits of sheet.

Reading of M. L. W. on tide staff at Iona 1.3 ft. (Office letter Dec. 29/28, 25 EF.

Reading of M. L. W. on tide staff at Fort Myers 0.7 ft. (Office letter Dec. 29/28, 25 EF.

Highest tide recorded at Iona from Oct. 26, 1928 to Nov. 8, 1928 is 2.5 on Nov. 2nd and 4th, 1928.

Highest tide recorded at Fort Myers from Nov. 9, 1928 to Dec. 11, 1928 is 2.3 on the following dates: Nov. 17; Nov. 19; Dec. 1, 1928.

Lowest tide recorded at Iona from Oct. 26, 1928 to Nov. 8, 1928 is 1.3 on Oct. 29, 1928.

Lowest tide recorded at Fort Myers from Nov. 9, 1928 to Dec. 11, 1928 is -0.1 on Nov. 21, 1928.

From Charles Shaw,

Commanding Str. Hydrographer.

TIDAL DATA

For Hydrographic Sheet "F"

Location:

Portable automatic gauge at Fort Myers (Ireland's dock) used for reducing soundings on entire sheet.

Reading on tide staff of M. L. W. is 0.7 ft. (Office letter, Dec. 29, 1928, 25 EF.

Highest tide recorded at Fort Myers from Nov. 9, 1928 to Dec. 11, 1928 is 2.3 feet on each of the following dates: Nov. 17; Nov. 19; Dec. 1, 1928.

Lowest tide recorded at Fort Myers from Nov. 9, 1928 to Dec. 11, 1928 is -0.1 foot on Nov. 21, 1928.

From Charles Shaw,

Commanding Str. Hydrographer.

(For Files of Section of Field Records)

March 7, 1929.

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4829

Locality: Caloosahatchee River, Gulf Coast of Florida

Chief of Party: Charles Shaw in 1928

Plane of reference is Mean low water, reading
0.7 ft. on tide staff at Fort Meyers, Florida
~~xxxxxxxxxxxx~~

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Paul C. Whitney

Chief, Division of Tides and Currents.

March 8, 1929

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET 4828

Locality: Caloosahatchee River, Gulf Coast of Florida

Chief of Party: Charles Shaw in 1928

Plane of reference is Mean low water, reading
1.3 ft. on tide staff at Iona, Florida

~~0.7 ft. on tide staff at~~
0.7 " " " " Fort Meyers, Florida

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Paul C. Whitney

Chief, Division of Tides and Currents.

Section of Field Records

Report on Sheet No. 4829
Chief of Party Charles Shaw
Protracted by K.B. Jeffers
Verified and Inked by J. Walker

Surveyed in 1928 & 1929
Surveyed by J.C. Sammons
Soundings plotted by
K.B. Jeffers.

The sounding records were complete and were neatly kept.

The protracting was very well done.

The soundings were carefully and neatly plotted and the time intervals were carefully adhered to.

The development of the channel and shoals seemed complete.

The sheet was received clean and the work was neat and legible.

The drafting conformed to General Instructions except for the shore line. There was some doubt as to whether the docks around Fort Myers had been changed any since 1927. Mr. Shaw, Chief of Party, is expected in the Washington office soon and this matter will be cleared up when he arrives.

The field drafting on this sheet was done by Mr. Jeffers and as it is one of his first sheets it is especially commendable.

The soundings which fell inside the red triangle of the beacons were not inked in as they, in no case, affected the curves and it was thought they would obscure the beacons.

Reviewed by

Date

Respectfully submitted
J. Walker
Mar. 27, 1929

May 29, 1929

Section of Field Records
Report on Hydrographic Sheet No. 4828
Caloosahatchee River, Florida
Surveyed in 1928

Instructions dated Oct. 21, 1926 and May 1928

Chief of Party - Charles Shaw
Surveyed by - J. C. Sammons
Protracted and Soundings plotted by - K. B. Jeffers
Verified and Inked by - J. T. Jarman

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the development fulfill the requirements of the General Instructions.
3. The development on this sheet was secured by means of parallel lines and there are no crossings. However, the development is done and the agreement of

soundings is good, considering the irregularities usually encountered on a river bottom.

4. The field plotting was completed to the extent prescribed in the General Instructions and was excellent.

5. The information is sufficient for drawing the usual depth curves.

6. The junction with H 4829 is good. The junction with H 4845b has not been examined due to the fact that the latter has not been completed.

A survey was completed in 1927 covering this strip of the Caloosahatchee river and is represented by smooth sheets H 4690, H 4691 but due to dredging changes in the channel, the present sheet H 4828 resulted from a resurvey of the changed area. It was decided not to show the junction between the above surveys because the difficulties involved would outweigh the advantages.

7. The character and scope of the surveying are excellent.
8. The field drafting was good.

Remarks:

Due to closeness of development, it was necessary to protract the large percentage of positions shown on the statistics sheet in order to follow the sounding lines.

Report by
J. T. Jarman

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 4828

The following statistics will be submitted with the
cartographer's report on the sheet:

Number of positions on sheet . 145 .

Number of positions checked . 320 .

Number of positions revised . 6 .

Number of soundings recorded . 7286 .

Number of soundings revised . 72 .

Number of signals erroneously

plotted or transferred . . none .

Date: May 29, 1929

Cartographer: J. J. Garrison

Section of Field Records
Report on Hyd. Sheet No. 4828.

Caloosahatchee River, Florida

Surveyed in 1928.

Instructions dated Oct. 21, 1926 and May 26, 1928 (Hydrographer)

Chief of Party - Charles Shaw

Surveyed by - J. C. Sammons

Protracted and plotted by - K. B. Jeffers

Verified by - J. T. Jarman

1. The records conform to the requirements.
2. The plan and character of development conforms to the requirements of the General Instructions.
3. The plan and extent of the survey satisfies the specific instructions.

4. No cross lines were run. The entire development consists of lines run parallel to the channel. The agreement of adjacent lines is good.
5. In general the information is sufficient for drawing the usual depth curves. The bare spots, north west and north east of Bn 17A, are not well defined. They were drawn in as well as possible from the information in the descriptive report and notes in the sounding records.
6. The junction with H. 4829 on the north and the junction with H. 4845^b on the south is satisfactory. No attempt was made to overlap H. 4690, surveyed in 1927, before the dredging operations, which made the present survey necessary. Comparison with H. 4690 shows good agreement in the areas in which no changes were made, but within its limits this sheet, H. 4828, should supersede H. 4690.

7. The usual amount of field plotting was well done by the field party.
8. Character and scope of surveying - good.
9. No additional work is necessary unless further dredging should be done.

Reviewed by R.L. Johnston June 25, 1929.

Section of Field Records
Report on Hyd. Sheet No. 4829
Caloosahatchee River, Florida
Surveyed in 1928.

Instructions dated Oct. 21, 1926. and May 26, 1928. (Hydrographer)

Chief of Party - Charles Shaw

Surveyed by - J. C. Sammons

Protracted and plotted by - K. B. Jeffers

Verified and inked by - J. T. Walker

1. The records conform to the requirements.
2. The plan and character of development conforms to the requirements of the General Instructions.
3. The plan and extent of the survey satisfies the specific instructions.

4. No cross lines were run. The area was developed by a system of lines parallel to the channel. Adjacent lines agree well.
5. The information is sufficient for drawing the usual depth curves.
6. The junction with H. 4828, on the south, is satisfactory. No overlap was made with H. 4691, surveyed in 1927, before parts of the channel were dredged. Within its limits this sheet, H. 4829, should supersede H. 4691.
7. The usual amount of field plotting was very well done by the field party.
8. Character and scope of surveying - good.
9. Additional work is not necessary unless further dredging is done.

Reviewed by R.L. Johnston June 29, 1929.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4828

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "E"

REGISTER NO. 4828

State FloridaGeneral locality West Coast Caloosahatchee RiverLocality Caloosahatchee River Shell Pt. to Fourmile l.Scale 1:10,000 Date of survey Oct. 31/28 - Nov. 27, 1928
also Jan. 22/29 investigating 4' spot.Vessel Ship HYDROGRAPHERChief of Party Charles ShawSurveyed by J. C. S.Protracted by K. B. J.Soundings penciled by K. B. J.Soundings in ~~fathoms~~ feetPlane of reference M.L.W. At Iona, Fla. 1.3 ft. above zero of T.S.
" Ft. Myers 0.7 " " " " "Subdivision of wire dragged areas by (See letter from Director Dec. 29/28, 25 E.F.)

Inked by _____

Verified by _____

Instructions dated Oct. 21, 1926 and May 26, 1928

Remarks: _____

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

REG. NO. 4829

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "F"

REGISTER NO. 4829

State Florida

General locality ~~West Coast~~ Caloosahatchee RiverLocality ~~Caloosahatchee River~~ Fourmile l. to Fort MyersScale 1:10,000 Date of survey Nov. 15/28 - Dec. 17, 1928
Split lines Dec 27th and Feb 8, 1929.

Vessel Ship HYDROGRAPHER

Chief of Party Charles Shaw

Surveyed by J. C. S. Simmons

Protracted by K. B. J. Jeffers

Soundings penciled by K. B. J.

Soundings in fathoms feet

Plane of reference M.L.W. { At Fort Myers, Fla. 0.7 ft. above zero on T.S.
{ See letter from Director of Dec. 29/28, 25 E.F.

Subdivision of wire dragged areas by

red by

Verified by

Instructions dated Oct. 21, 1926 and
May 26, 1928

Remarks:

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 4829

The following statistics will be submitted with the
cartographer's report on the sheet:

Number of positions on sheet . . . 699
Number of positions checked . . . 159
Number of positions revised . . . 2
Number of soundings recorded . . . 3387
Number of soundings revised . . . 18
Number of signals erroneously
plotted or transferred 0

Date: March 27, 1929
Cartographer: J. Walker